



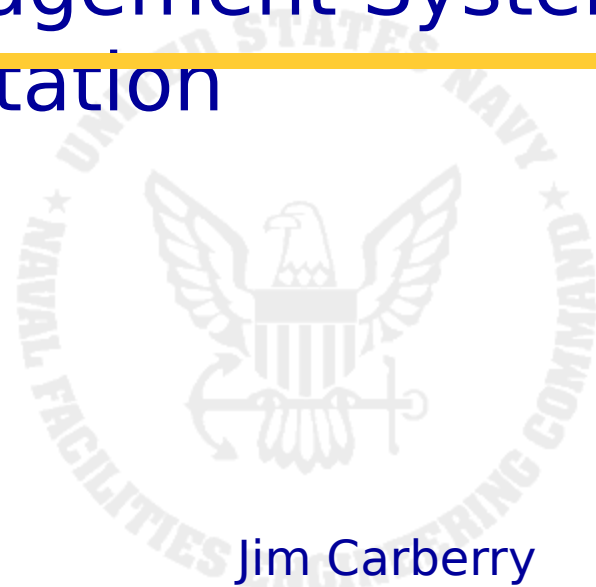
Naval Facilities Engineering Command
THE NAVY'S FACILITIES MACHINE

Managing the Facilities Business Worldwide

NAVFAC Electronic



Document Management System Implementation



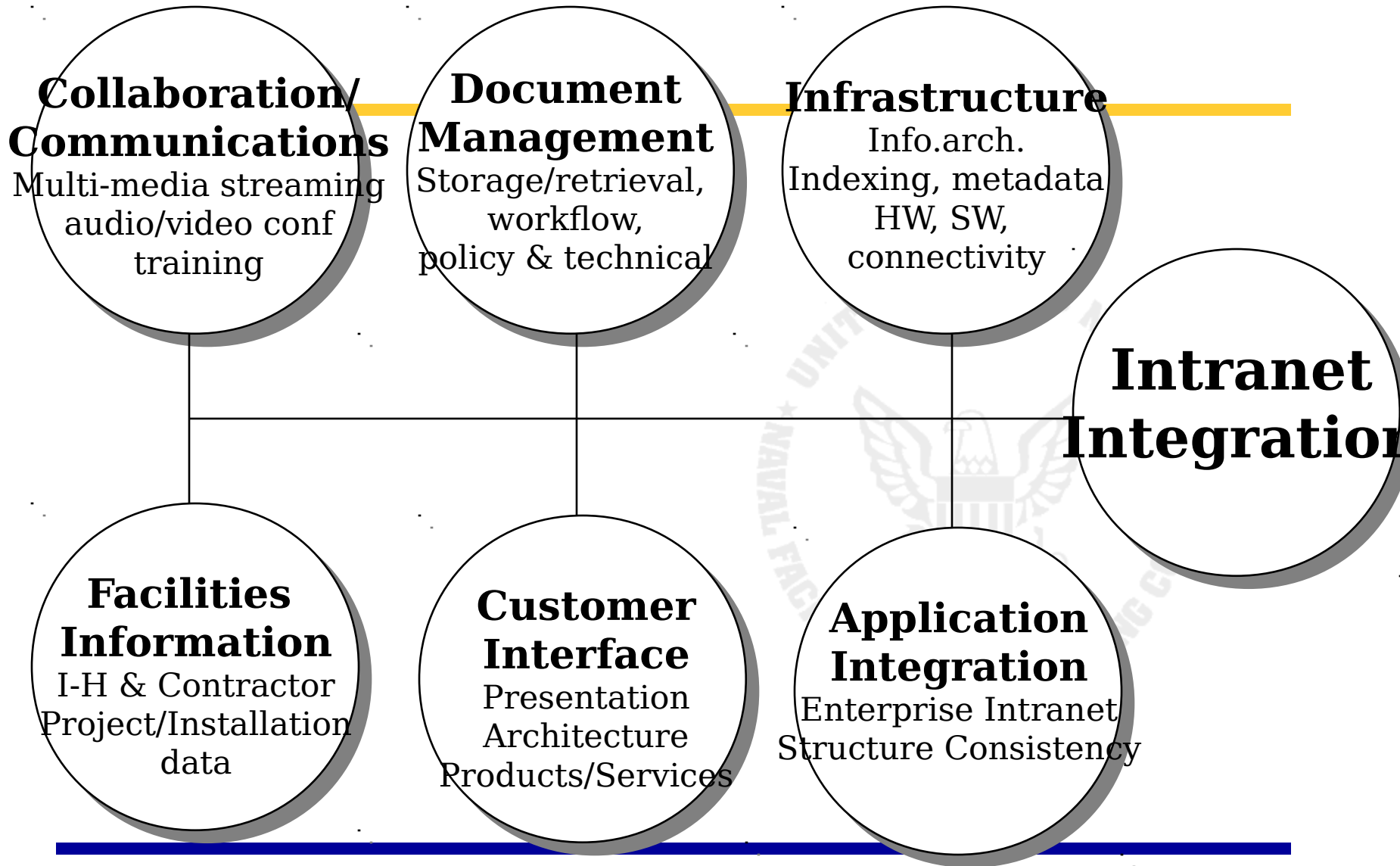
Jim Carberry
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25 May 2000

EDMS potential is ubiquitous

- Examples of application functions/areas
 - Correspondence
 - Environmental, Records of Decision, HazMat, MSDS
 - Family Housing
 - Project Management
 - Contracts
 - Engineering drawings
 - Equipment operations manuals
 - Counsel
 - Planning studies
 - Etc., etc.



Vanguard Sub Groups



Background

- Vanguard (Intranet) Document Management Subgroup tasking
 - Research, recommend COTS EDMS software
 - Using Oracle RDBMS
 - Web-based (“Business through the Browser”)
 - Workflow as well as storage/retrieval
-

43 EDMS criteria

[incorporated DON CIO ITSG EDMS guidance]

- Categories - EDMS and RMA

- Architecture
- Capture & Storage
- Retrieval
- Workflow
- Administration
- Application Programming Interface
- Annotation
- Document Filing
- End-User Services (Classification, Reservation/Checkout, File Plan, Records Schedules)



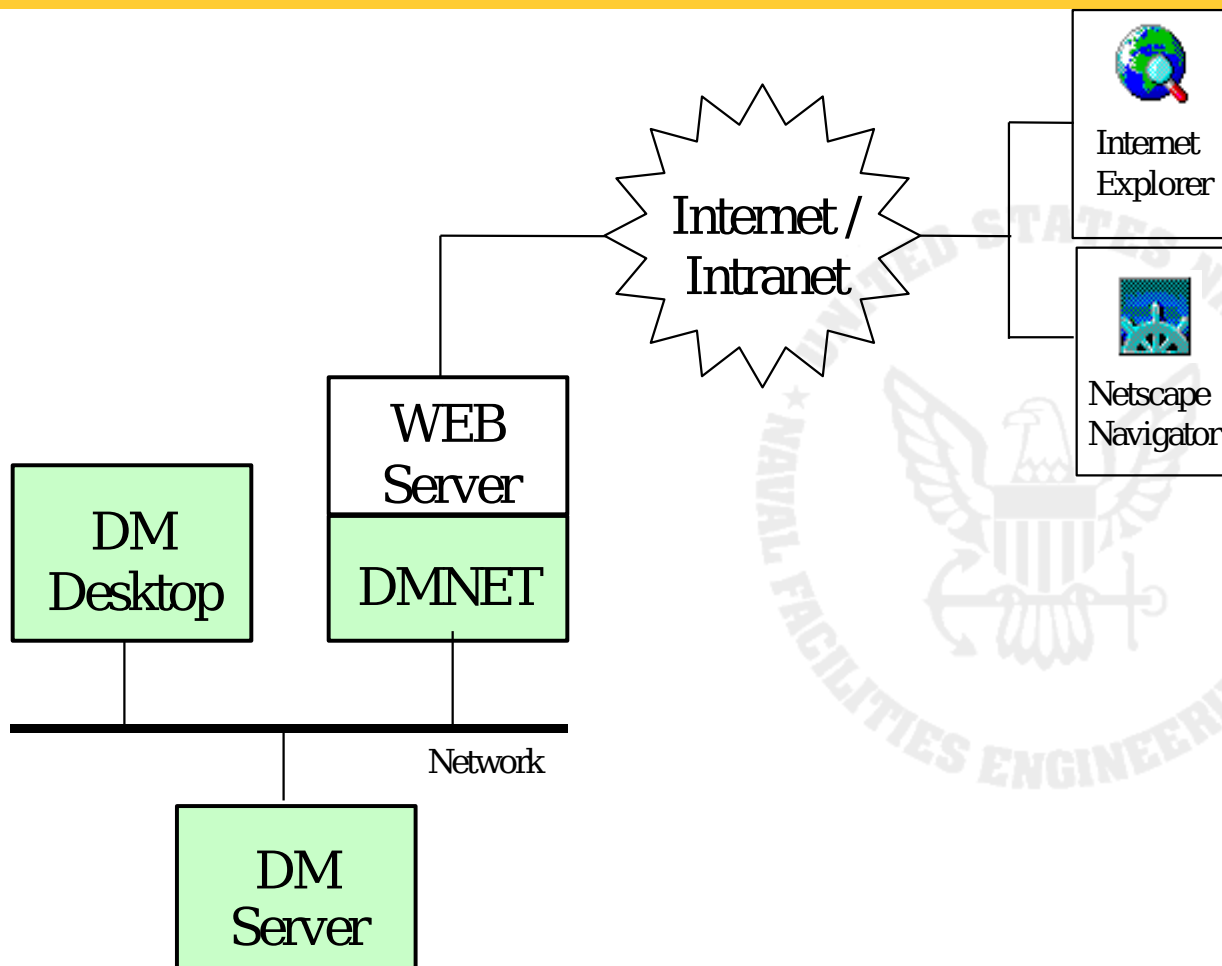
Doc Mgmt Sub-group Recommendations

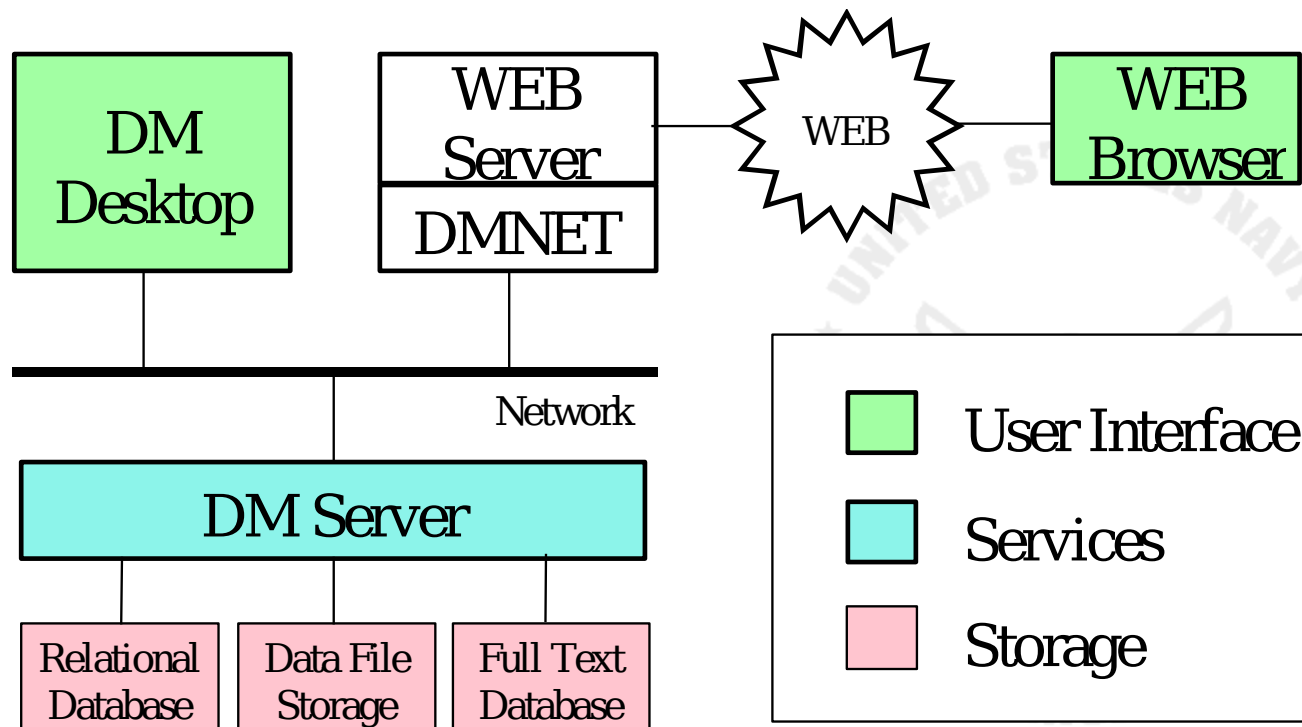
- Multiple EDMS/RMA packages examined
 - For top-rated packages:
 - Pricing
 - Contract sources
 - References
 - Packaging
 - NAVFAC CIO designated Cimage with Oracle Workflow for enterprise architecture
-

CIO decision announcement

- Cimage selected for pilot “proof of concept”
 - CIO sponsoring LANTDIV & SOUTHDIV pilots
 - EDMS is LCM Special Interest item for CIO IT approval
 - Enterprise standard solutions: indexing, metadata, tech. Infrastructure
 - CIO guidance
 - enterprise index
 - corporate configuration management
 - roll out enterprise applications from CDA
-

Basic DM architecture





Server SW components

- Document Manager Server, with Markup Manager & Document Linking
- Remote Database Manager
- Document Manager Import
- Full Text Retrieval Server
- Output Server
- Small Format Output Server
- File Conversion Server
- Batch Callable Interface
- DM-Net
- Application Builder
- System Administration Tool
- DM API Toolkit Libraries, Includes License for DM AutoCAD, DM Microstation and DM for Office suite



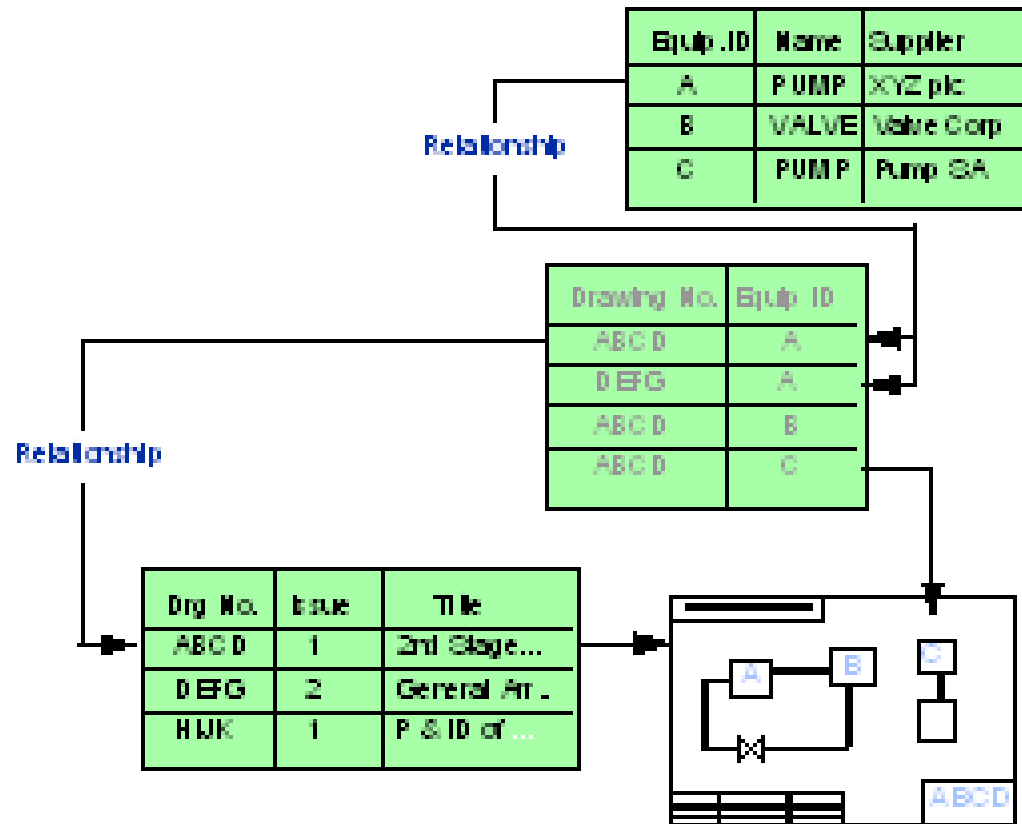
Client components

- Client 32 bit Desktop with ImageMaster
 - ImageMaster View/Markup
 - ImageMaster Edit
 - Full Text Retrieval Access
 - CAD View for ImageMaster
 - DM-Net Access
 - DM for AutoCAD
 - DM for MicroStation
 - DM for MS Office (Word)
-



Application Configuration

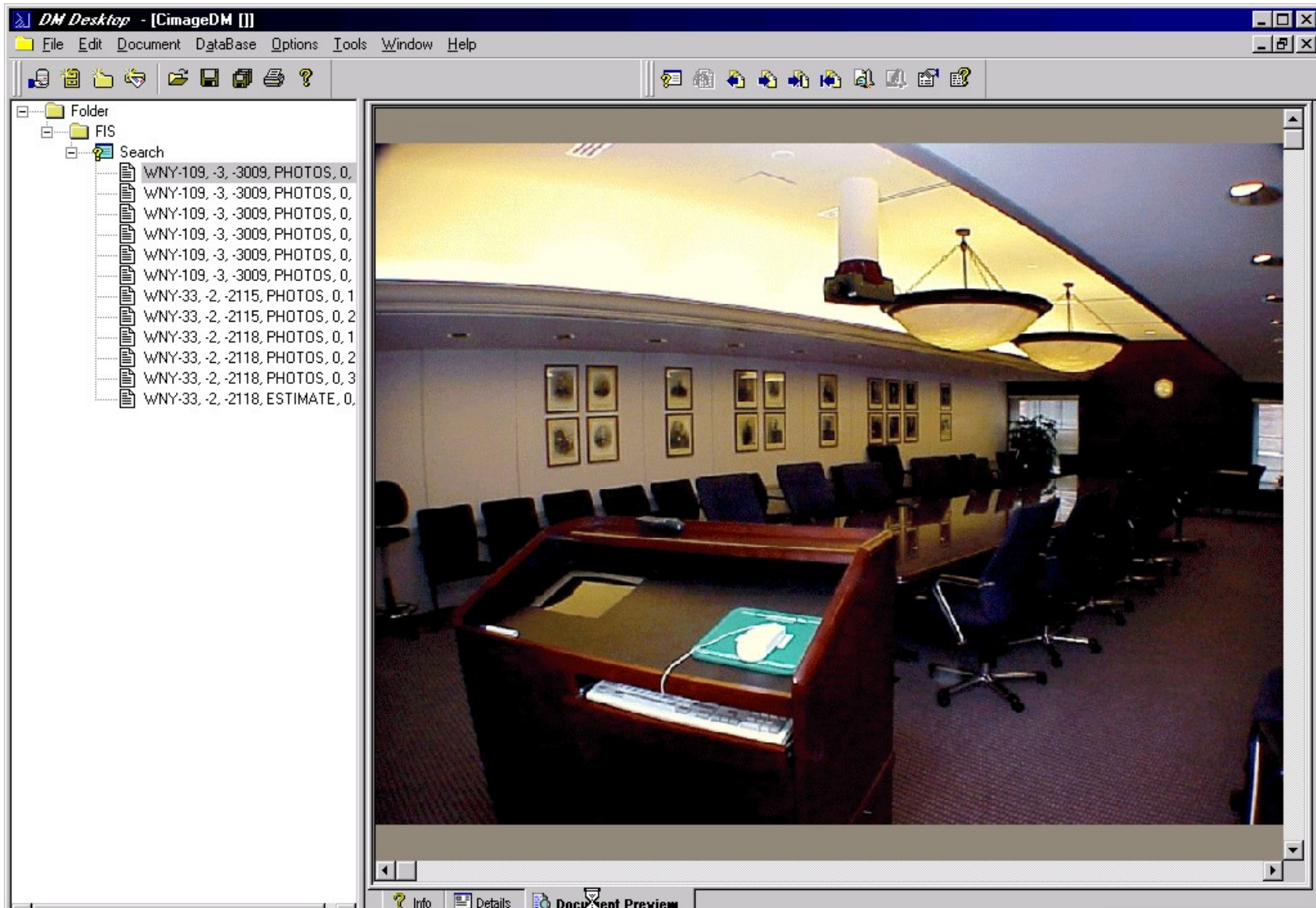
Indexing, Foldering, Security, CI/CO, FTR, Retention, etc.



CADD/GIS

- EDMS
capture/storage/retrieval/management
of spatial data documents
- Access to documents in EDMS via
spatial data applications





NAVFAC EDMS Projects

- EDMS Pilot
 - SOUTHDIV/LANTDIV/NITC
 - Enterprise Real Estate & Contracts Applications
 - Systems interoperability studies
 - Web EDMS for Construction Management Support Demonstration
 - PWC Pearl Environmental Lab EDMS
 - Navy Rate Intervention Group EDMS
 - Oracle Projects PM Implementation
 - EDMS/Business (Quality) Management System Interoperability (Cimage/QualTrax)
-

EDMS Pilot

- Operational EDMS applications
 - LANTDIV - Real Estate documents, with workflow, full text retrieval
 - 1.2 M pgs backfile conversion
 - SOUTHDIV - Contracts and contract-related documents
 - 10 M pgs backfile conversion
 - Testing/prototype/interfaces
 - Ex.: Leases in RE EDMS system to FIS, Inc. FIS/FM CAFM lease management module
-

Functional application area approach

- Enterprise functional team for enterprise applications (no “local” applications)
 - Implementation methodology templates
 - Functional Requirements, Procedural Requirements, and Site Readiness Assessments
 - Application Specification (w Data Admin/Resource Mgmt for indexing data elements, lookup tables, etc.), Build, Installation
 - Test, Acceptance, Operational Prototype, Assessment
 - Support, Configuration Mgmt, Evolution
-

Enterprise “Master Index”

- One place to find all documents enterprise-wide
 - Operated at NITC, Port Hueneme, CA
 - Implemented using
 - Index table replication from distributed applications/sites (using Oracle Advanced Replication Manager)
 - Naming conventions, RECNO allocations
 - Index server FIFO cache
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